

SEQUENCE LISTING

<110> LANE, Roger Michael
POLYMERPOULOS, Mihael Hristos

<120> METHODS FOR THE TREATMENT OF DEMENTIA
BASED ON APO E GENOTYPE

<130> DV/4-32609A/USN

<140> 10/523,047
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<151> 2003-07-06

<150> 60/401,694
<151> 2002-07-07

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Gln Thr Leu Ser Glu Gln Val Gln Glu Glu Leu Leu Ser Ser Gln Val	
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Thr Gln Glu Leu Arg Ala Leu Met Asp Glu Thr Met Lys Glu Leu Lys	
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Gly Ala Asp Met Glu Asp Val Cys Gly Arg Leu Val Gln Tyr Arg Gly	
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 Asp Asn His *

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 Val Gln Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala
 50 55 60
 Leu Met Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu
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 Glu Glu Gln Leu Thr Pro Val Ala Glu Glu Thr Arg Ala Arg Leu Ser
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 Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala Asp Met Glu Asp
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 Val Cys Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu
 115 120 125
 Gly Gln Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg
 130 135 140
 Lys Leu Arg Lys Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Cys
 145 150 155
 Leu Ala Val Tyr Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Leu
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 Ser Ala Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Val
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 Arg Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg

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Val	Arg	Ala	Lys	Leu	Glu	Glu	Gln	Ala	Gln	Gln	Ile	Arg	Leu	Gln	Ala		
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 <223> ApoE mRNA, e3 variant

<221> CDS
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 Met Lys Val Leu Trp Ala Ala Leu Leu Val
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 Thr Phe Leu Ala Gly Cys Gln Ala Lys Val Glu Gln Ala Val Glu Thr
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cgc tgg gaa ctg gca ctg ggt cgc ttt tgg gat tac ctg cgc tgg gtg 257
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 25 30 35 40

cag aca ctg tct gag cag gtg cag gag gag ctg ctc agc tcc cag gtc 305
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acc cag gaa ctg agg gcg ctg atg gac gag acc atg aag gag ttg aag 353

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Gln	Pro	Leu	Gln	Glu	Arg	Ala	Gln	Ala	Trp	Gly	Glu	Arg	Leu	Arg	Ala	
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ttc	gag	ccc	ctg	gtg	gaa	gac	atg	cag	cgc	cag	tgg	gcc	ggg	ctg	gtg	977
Phe	Glu	Pro	Leu	Val	Glu	Asp	Met	Gln	Arg	Gln	Trp	Ala	Gly	Leu	Val	
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285

290

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 Asp Asn His *

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Glu	Ala	Phe	Gln	Ala	Arg	Leu	Lys	Ser	Trp	Phe	Glu	Pro	Leu	Val	Glu	
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Val	Gly	Thr	Ser	Ala	Ala	Pro	Val	Pro	Ser	Asp	Asn	His			
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 Met Lys Val Leu Trp Ala Ala Leu Leu Val
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 Thr Phe Leu Ala Gly Cys Gln Ala Lys Val Glu Gln Ala Val Glu Thr
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cgc tgg gaa ctg gca ctg ggt cgc ttt tgg gat tac ctg cgc tgg gtg 257
 Arg Trp Glu Leu Ala Leu Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val
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 Thr Gln Glu Leu Arg Ala Leu Met Asp Glu Thr Met Lys Glu Leu Lys
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 Thr Arg Ala Arg Leu Ser Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu
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Gly Ala Glu Arg Gly Leu Ser Ala Ile Arg Glu Arg Leu Gly Pro Leu	
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Gln Pro Leu Gln Glu Arg Ala Gln Ala Trp Gly Glu Arg Leu Arg Ala	
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 175 180 185 190
 Arg Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg
 195 200 205
 Ala Gln Ala Trp Gly Glu Arg Leu Arg Ala Arg Met Glu Glu Met Gly
 210 215 220
 Ser Arg Thr Arg Asp Arg Leu Asp Glu Val Lys Glu Gln Val Ala Glu
 225 230 235
 Val Arg Ala Lys Leu Glu Glu Gln Ala Gln Gln Ile Arg Leu Gln Ala
 240 245 250
 Glu Ala Phe Gln Ala Arg Leu Lys Ser Trp Phe Glu Pro Leu Val Glu
 255 260 265 270
 Asp Met Gln Arg Gln Trp Ala Gly Leu Val Glu Lys Val Gln Ala Ala
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 Val Gly Thr Ser Ala Ala Pro Val Pro Ser Asp Asn His
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